



MASTER TL5 High Efficiency

MASTER TL5 HE 28W/840 UNP/40

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

General Information		Colour designation	
Cap base	G5 [G5]		Cool White (CW)
Life to 50% failures preheat (nom.)	24000 h	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W
Features	na [Not Applicable]	Correlated Colour Temperature (Nom)	4000 K
System description	High Efficiency	Luminous efficacy (rated) (nom.)	96 lm/W
LSF preheat 2,000 hours rated	99 %	Color rendering index (max.)	85
LSF preheat 4,000 hours rated	99 %	Colour-rendering index (min.)	80
LSF preheat 6,000 hours rated	99 %	Colour rendering index (nom.)	82
LSF preheat 8,000 hours rated	99 %	LLMF 2000 h Rated	96 %
LSF preheat 16,000 hours rated	97 %	LLMF 4000 h Rated	95 %
LSF preheat 20,000 hours rated	84 %	LLMF 6000 h Rated	94 %
		LLMF 8000 h Rated	93 %
		LLMF 12000 h Rated	92 %
		LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %
Light Technical			
Colour Code	841 [CCT of 4100K (841)]		
Luminous flux (nom.)	2900 lm		
Luminous flux (rated) (nom.)	2675 lm		

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Operating and Electrical

Power (Rated) (Nom)	27.9 W
Lamp current (nom.)	0.170 A

Temperature

Design temperature (nom.)	35 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Cap-base information	Green Plate
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Approval and Application

Energy efficiency label (EEL)	A+
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Mercury (Hg) content (nom.)	1.4 mg
Energy consumption kWh/1,000 hours	31 kWh

Product Data

Full product code	871150061090455
Order product name	MASTER TL5 HE 28W/840 UNP/40
EAN/UPC – product	8711500610904
Order code	61090455
SAP numerator – quantity per pack	1
Numerator – packs per outer box	40
SAP material	927926584018
SAP net weight (piece)	105.800 g
ILCOS code	FDH-28/40/1B-L/P-G5-16/1150

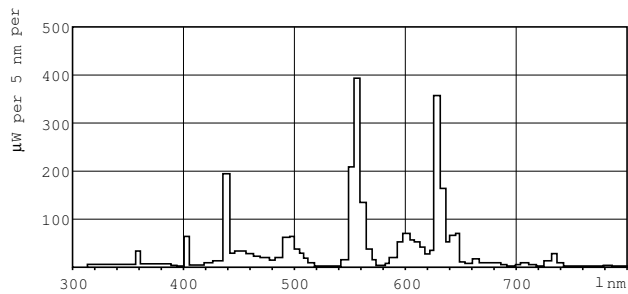
Dimensional drawing



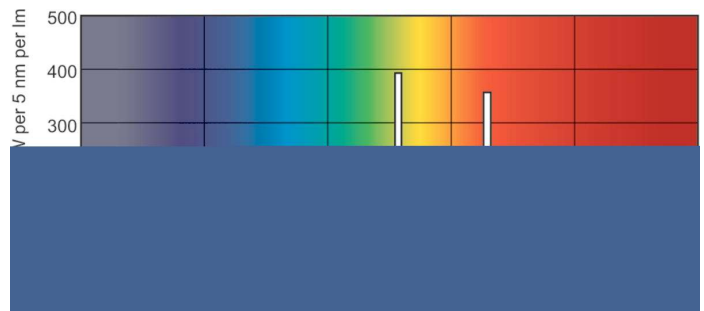
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 28W/840 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

TL5 28W/840/GP HE

Photometric data



LDPB_TL5-HE8_840-Spectral power distribution B/W



Lightcolour /840

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Lifetime



LDLE_TL5-HE8_0001-Life expectancy diagram

LDLE_TL5-HE8_0002-Life expectancy diagram



LDLM_TL5-HE8_0001-Lumen maintenance diagram

